MINDBREEZE INSPIRE

WWW.MINDBREEZE.COM

ABOUT ME

MINDBREEZE®
ILLUMINATING INFORMATION

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AND YOU?

- What's your name, where are you coming from?
- What is your profession?
- You have experience with search?
- You have experience with coding, administrating, Linux,...?
- You want to share some of your interests/hobbies?

Agenda

- Web Connector
- Search
- Semantics
- Search Apps
- 360 Degree Workshop

Information and Training documentation

- All the training information will be put into a secure Fabasoft Cloud Teamroom

- Mindbreeze InSpire Training

Infrastructure

RDP Connection

- Open RDP connection
  - 192.84.221.166
  - Username: train**X** (X== number you get from the trainer)
  - Password: Faba8888
- **ATTENTION: Please always logout before exiting the RDP-App**

Training

- Laptop
  - Username: .\mindbreeze
  - Password: Faba8888
- Appliance
  - Name: https://try.inspire.mindbreeze.com:8443
  - Username: admin
  - Password: Appliance123

Important Sources for you

- Mindbreeze Website
- Mindbreeze Help Site
- Mindbreeze FAQ
- Mindbreeze Developer
- Social Media
  - Twitter
  - Facebook

Web connector

Choose which pages to index

- Crawling Root(s)
- URL Exclude Pattern
  - Pages are not downloaded
  - No link following
  - Example: Javascript, CSS, …
- Exclude URLs from Filtering
  - Pages are downloaded
  - Link following
  - Examples: product listings, blog categories, …
- Exclude Tags From Content:
  - Remove elements from content
  - Examples:
    - Header, Footer, …
    - if content area cannot be matched

Sitemap

- Allows for efficient delta indexing
- Short index runs
- Short interval

Metadata

- XPath + Entity Recognition
- XPath examples:
  - //div[@id='content']
  - //div[@class='breadcrumbs']//a
  - //div[contains(@class, 'breadcrumbs']//a
- Test in Chromium Browser using $x("<XPath>")
  - **Warning:** the browser executes JavaScript, the Filter Plugin does not

Metadata

- **Title**: only the first matching element is used
  - In document order
  - Default: h1, title, file name
- **Content**:
  - Every matching element

Metadata

- **mesthumbnailurl** => Type: Url, for instnace //img/@src
- **breadcrumbs**
- **mes:date** => Typ: Date
  - Format: 3. Jänner 2015 => d. MMMM yyyy&de-AT
  - Format: 3. Januar 2015 => d. MMMM yyyy&de-DE
  - Java SimpleDateFormat

Best Practices

- Exclude elements that are contained on every page
  - Menus
  - Footer
  - Header
- Use breadcrumbs
  - If they are implemented
  - Otherwise active menu entries

Training: Configuration

- **Crawling Root**: https://www.udacity.com/sitemap.xml

Training: Configuration

- **Name**: time
- **XPath**: //li[h6[contains(text(),'Time')]]//h5
- **Format**: String

Training: Configuration

- **Name**: classroomopens
- **XPath**: //li[h6[contains(text(),'Classroom')]]//h5
- **Format**: Date
- **Format Options:** MMMM dd, yyyy

Training: Configuration

- **Name**: prerequisites
- **XPath**: //li[h6[contains(text(),'Prerequisites')]]//h5
- **Format**: String

Training: Configuration

- **Name**: salary
- **XPath**: //li[h6[contains(text(),'Salary')]]//h5
- **Format**: String

Training: Configuration

- **Name**: mesthumbnailurl
- **XPath**: //div[contains(@class,'features')]//img[contains(@src,'png') or contains (@src,'jpg')]|//div[contains(@class,'contain')]/*/img[contains(@src,'png') or contains (@src,'jpg')]//@src
- **Format**: Url

Google on/of

<!--googleoff: all-->

I do not want to index this content

<!--googleon: all-->

Thats what I want

<!--googleoff: all-->

Please Ignore the rest

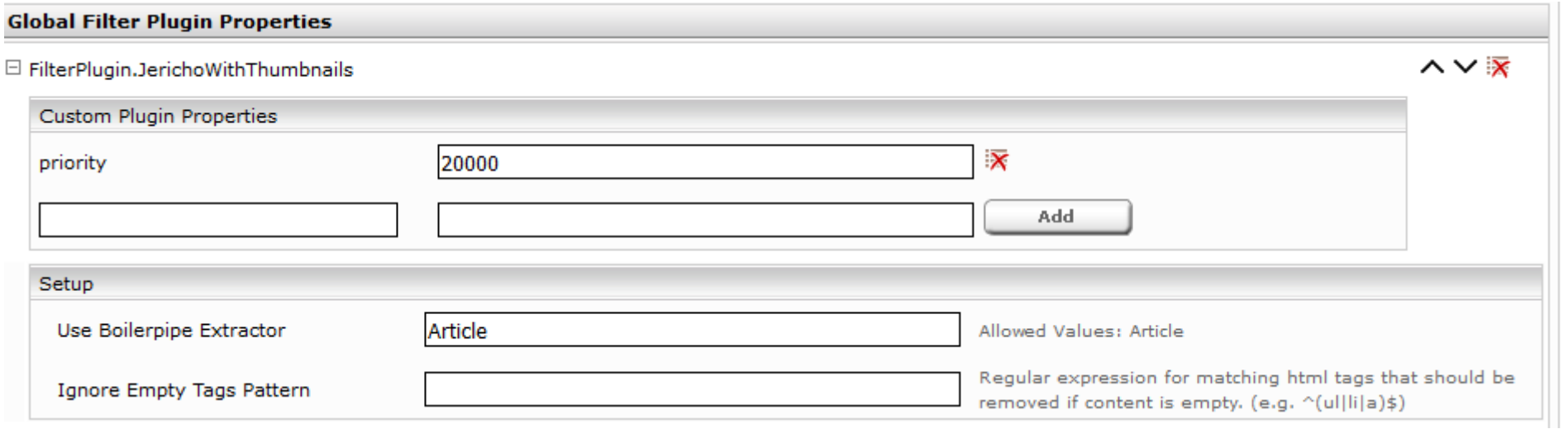
Web Connector: Extract the main content of HTML sites

Crawling sites such as news sites often indexes useless content like menus or footers. Now you can enable an alternative extraction mode that uses heuristics to detect only useful main content.

➔**You do not need to define extensive XPath rules anymore**

Documentation : https://help.mindbreeze.com/en/?topic=doc/Configuration---Web-Connector/index.htm#extract-main-content-with-alternative-filter-mode

Web Connector: Extract the main content of HTML sites



Search

Training

- https://try.inspire.mindbreeze.com/apps/client
- Login: david.porter;mindbreeze

Components of the client

- Restriction
- Search
- Facets
- Context actions
- Notifications

Query language

Query Language

- https://www.mindbreeze.com/Cheat_Sheet.html
- Case insensitive
- **Sof**
  - Starts of words with 3 letters
  - Whole words
  - Part of title with 3 letters
- Hits: **soft**, **Software**, im Titel auch: Micro**sof**t

Query Language

- **mindbreeze ins**
  - Both terms must occur
  - Order does not matter
- Hits: **Mindbreeze**… **InS**pire, **ins**urance … **Mindbreeze**

Query Language

- Quotes: **“mindbreeze inspire“**

  Query for exact words and phrases

  Hits: The European Enterprise Search Appliance | **Mindbreeze InSpire**

- **blog extension:html**

  All html documents that contain blog

  Hits: https://www.mindbreeze.com/blog/search-information-access-as-easy-as-1-2-3.**html**… **blog**

Query Language

- **“insurance“ AND “classify“**

  Hits: Companies in the **insurance** industry don’t…and can automatically **classify** it

- **(“insurance” OR “pattern“) AND “classify“**

  Hits:

  Companies in the **insurance** industry don’t…and can automatically **classify** it

  Classifying by identifying patterns

Query Language

- **perfect NEAR service**

  Words must be in short distance
  Hits: **Perfect** community **service**

- **service NOT blog**

  Documents must not contain blog

Query Language

- **(a AND b) OR (c AND d)**

Precendence without parantheses: NEAR, NOT, AND, OR

- **content:2011 TO 2013**
- **mes:size:[1KB TO 4KB]**

Ranges with units

Query Language

- **mes:date:[2015-01-01 TO 2015-12-31]**

date range

- **(url:blog^2.0 OR Mindbreeze^0.5) AND “service“**

Boost blog matches by a factor of 2 and negative boost Mindbreeze by factor 0.5

Query Language

- **title:Integration** **...metadata,value**

  all Metadata <metadata>:<value>

Name	Metadata	Description	Availability
Name	title	Query for title	All connectors
Extension	extension	Query for extension	All connectors
Directory	directory	Query for directory	Filesystem, Exchange
Subject	subject	Query for subject	Exchange

Query Language

- **title:Integration from:bauernf extension:doc**

combinable

Name	Metadata	Description	Availability
From	from	Query for senders	Exchange
To	to	Query for recipients	Exchange
Address	url	Query for URL of a document	Web
	content	Query for content	All connectors

Client Service

- Query Engines to search
- HTTP(s) Port: 443
- URL of Help-Website: tailored page or https://www.mindbreeze.com/Cheat_Sheet.html
- Language

Find out existing Metadata

- „Export“-button at the clientservice in comination with categorydescriptors
- „documents“ Servlet at the unrestricted privileged servlets
  - Find out docid: https://inspiretrain:8443/index/<Indexport>/find
  - Find out metadata: https://inspiretrain:8443/index/<Indexport>/documents

How to start: Know your use cases

- Which data sources?
  - Folio
  - Microsoft Exchange
  - Filesystem
  - Share Point (2007-2013)
  - …

Preconditions

- Service user must have full-read-access to
  - File shares
  - Microsoft Exchange
  - Microsoft SharePoint
  - Fabasoft Folio
  - …

Preconditions

- More (Authentication,..)
  - Preparations

Mindbreeze InSpire – Search Appliance

- 500K small Appliance, big Appliance, more than one big Appliance
- 1M
- 2M
- 5M
- 10M
- 20M,…

Authorization

- AuthorizedWeb vs. Web
- CN of users or groups with sitemap or url-backreferences

Semantics

Semantics

- Entity Recognition
  - Recognizes patterns
  - Partial Index rebuild necessary (reinvertation)
  - Add custom metadata
  - Use existing metadata as foundation
  - Use CategoryDescriptor and/or Information Pairing to display
  - E.g. product numbers, order numbers, dates

Semantics

- Pattern Rules
- Examples
  - `lang=/(de|en)/.`
  - `langInTitle=/-/ lang /$/.`
  - If Rule Matches: langInTitle
  - Name: shortlang => add to Aggregated Metadata Keys as well
  - Value: {{lang}}
  - Format: String
  - In Existing Metadata: title

  - `Date=/\d\d.\d\d.\d\d\d\d/.`
  - `DateString=/am / Date.`

Metadata Definition

- **If Rule Matches** – definition is used if Pattern Rule matches
- **Name** – Name for the metadata
- **Value** – Mustache template for constructing the value, use names of rules
  - e.g. {{Date}}
- **Format** – Data type
- **Format Options** – Date format
- **Locale** – e.g. for dates
- **In Existing Metadata** – Only apply if rule matches in existing metadata

CSV Transformation

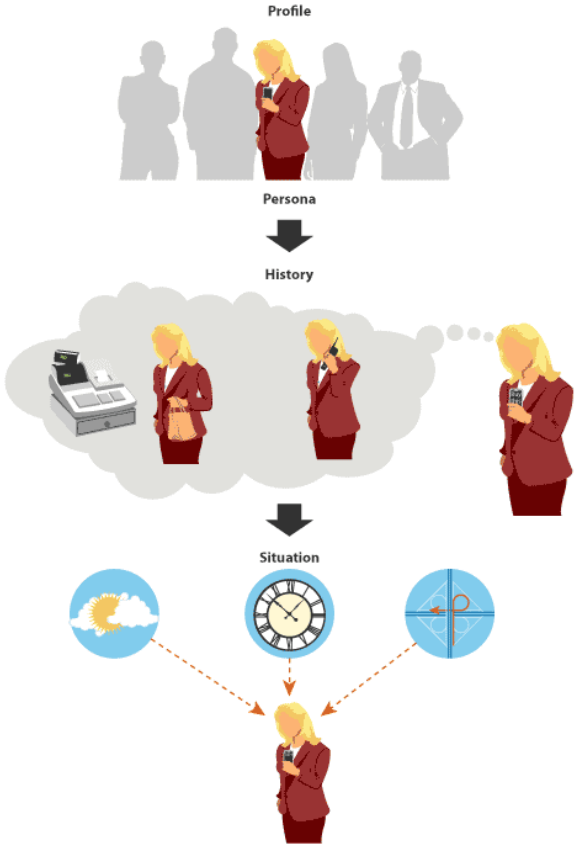
- Map values to different values
- Example
  - **CSV File Path**: /data/transform/languages.csv
  - **If Expression Matches**: {{ShortName}}
  - **In Property**: shortlang
  - **Name**: Language => add to Aggregated Metadata Keys as well
  - **Value**: {{FullName}}

Search Apps

The context is crucial

Contextualization

- Location-dependent content
- Personalized content
- Consideration of time/meetings
- Considering my Input device and the Available functions
- Consideration of form factors



Search Apps

- Tailored to users tasks
- Simple templates
- Implement search everywhere HTML is possible, e.g.
  - Microsoft SharePoint
  - Website
  - Mobile App
  - …

Editor

- <Client Service URL>/apps/editor
- Generates Snippet
  - Copy & Paste
  - Adaptable
  - Save

Mustache Templates

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Highlighting

{{{xyz}}} display property xyz including highlighting, try to find best representation

{{xyz}} display property xyz without highlighting

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If

```
{{#xyz?}}…{{/xyz?}} if xyz defined

{{^xyz?}}…{{/xyz?}} if xyz not defined

{{#xyz.abc?}}…{{/xyz.abc?}} if the value of xzy is abc
```

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Loops

```
{{#xyz}}…{{/xyz}} iterate xyz
```

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Mustache

{{{xyz}}} isplay property xyz including highlighting, try to find best representation

{{xyz}} display property xyz without highlighting

{{#xyz?}}…{{/xyz?}} if xyz defined

{{^xyz?}}…{{/xyz?}} if xyz not defined

{{#xyz.abc?}}…{{/xyz.abc?}} if the value of xzy is abc

{{#xyz}}…{{/xyz}} iterate xyz

SearchApp Styling

CSS Framework

- Bootstrap 2.2.2 http://getbootstrap.com/2.2.2/

Main Structure

http://getbootstrap.com/2.2.2/scaffolding.html#fluidGridSystem

.container .row-fluid

.span9

.span3

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Search Field

form.search-field

- input
- button

Results

media object component (http://getbootstrap.com/2.2.2/components.html#media):

.media

    .media-heading

        h3

    .media-object

    .media-body

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Filters

Stacked pills-component (http://getbootstrap.com/2.2.2/components.html#navs):

.nav.nav-stacked.nav-pills

The header of each filter is an h3 element.

Collapsible

- ARIA role tablist + multiselectable (http://www.w3.org/TR/wai-aria/roles#tablist)
- Title collapsed

  .mb-role[role=tablist][aria-multiselectable=true] [role=tab]

- Title opened

  .mb-role[role=tablist][aria-multiselectable=true] [role=tab][aria-expanded=true]

Tabs

Basic Navbar component (http://getbootstrap.com/2.2.2/components.html#navbar)

.navbar .nav

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Header

Basic Navbar component (http://getbootstrap.com/2.2.2/components.html#navbar)

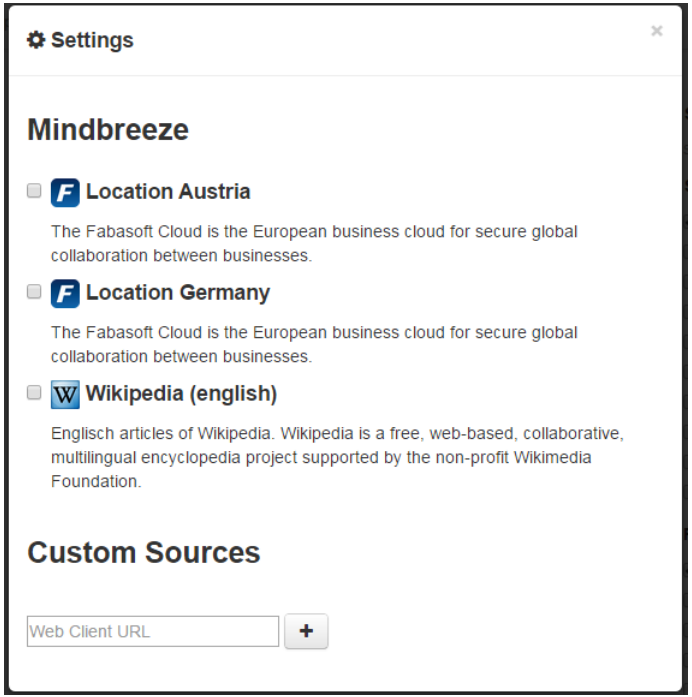
.mb-header.navbar.navbar-inverse .mb-top-menu .nav

.mb-computing is added while searching

```
.mb-progress-indicator {
  display: none;
}
 .mb-computing .mb-progress-indicator {
  display: block;
}
```

SearchApp Widgets

applists

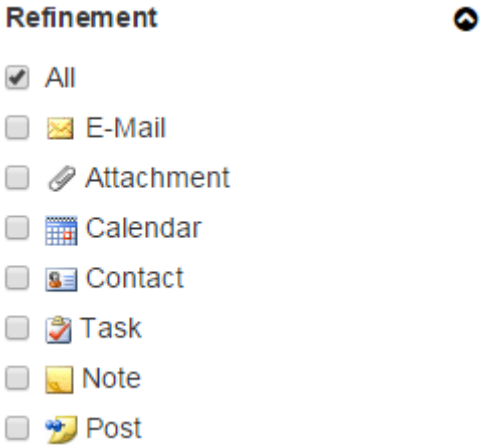

Settings
Mindbreeze
Location Austria
The Fabasoft Cloud is the European business cloud for secure global collaboration between businesses.
Location Germany
The Fabasoft Cloud is the European business cloud for secure global collaboration between businesses.
Wikipedia (english)
Englisch articles of Wikipedia. Wikipedia is a free, web-based, collaborative, multilingual encyclopedia project supported by the non-profit Wikimedia Foundation.
Custom Sources
Web Client URL
+

breadcrumb

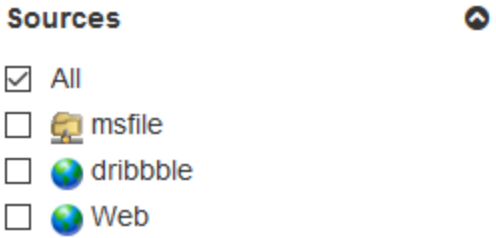
collect

Collected Results
Manual_MLPA_DemoData
24_Demonstrator_Talend.pdf
Back.png
Empty

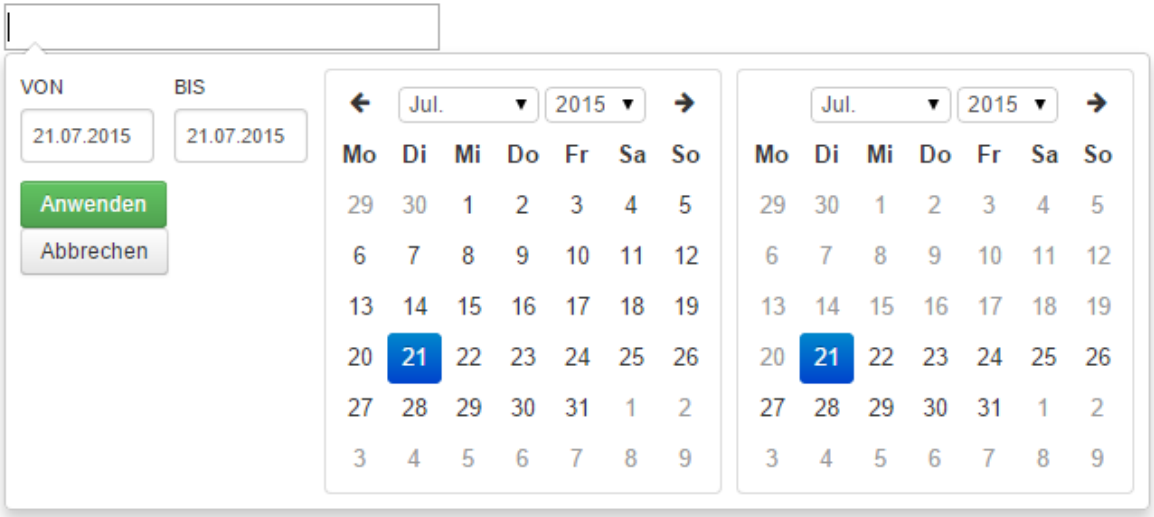
constraints



datasources



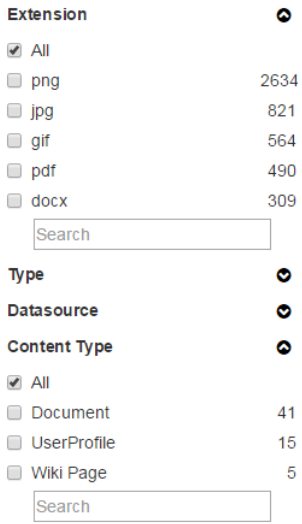
inputdate


VON
BIS
21.07.2015
21.07.2015
Anwenden
Abbrechen
Jul.
2015
Mo Di Mi Do Fr Sa So
29 30 1 2 3 4 5
6 7 8 9 10 11 12
13 14 15 16 17 18 19
20 21 22 23 24 25 26
27 28 29 30 31 1 2
3 4 5 6 7 8 9
Jul.
2015
Mo Di Mi Do Fr Sa So
29 30 1 2 3 4 5
6 7 8 9 10 11 12
13 14 15 16 17 18 19
20 21 22 23 24 25 26
27 28 29 30 31 1 2
3 4 5 6 7 8 9

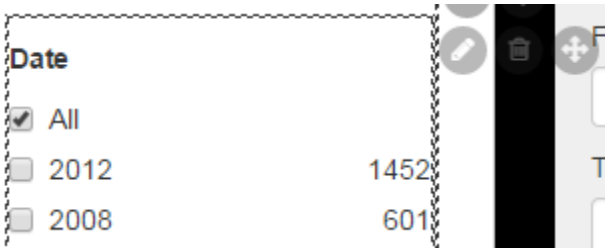
feedbackbutton

Activate the feedbackbutton at the clientservice

filteredfacets



filteredfacet



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map

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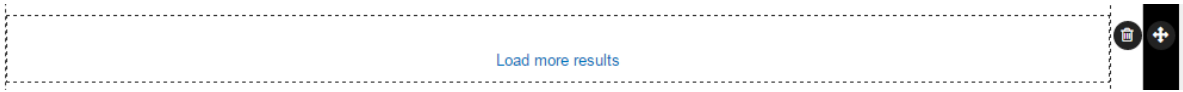
pagination



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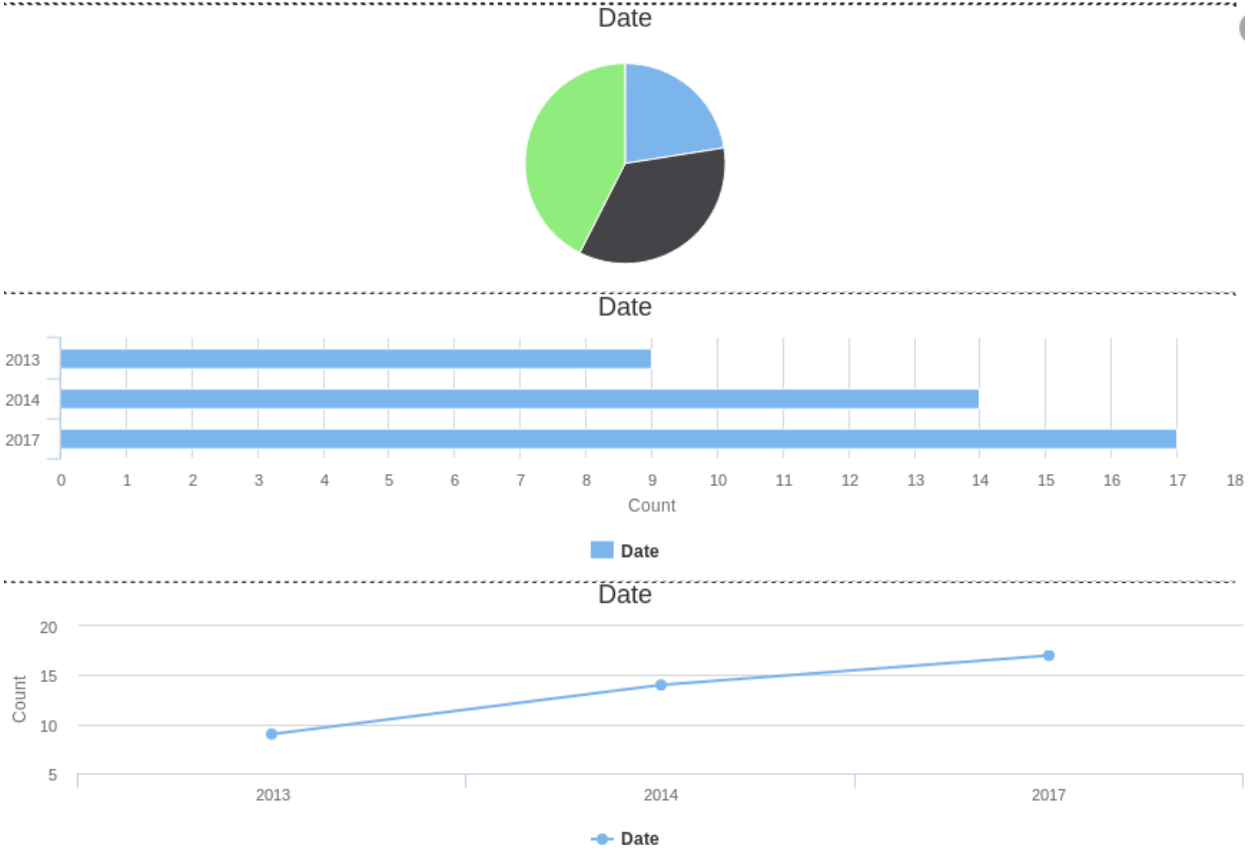
charts



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preview

Datum: 22.10.13 09:42

Die futurezone.at zählt mit über 1 Million Visits pro Monat zu den führenden Technologie-Newsportalen in Österreich. Themen aus Politik, Wirtschaft und IT werden kompakt aufbereitet und den Leserinnen und Lesern zur Verfügung gestellt. Die Inhalte ändern sich mehrmals am Tag oft sogar mehrmals pro Stunde. Permanente Aktualität der Suchergebnisse ist damit ein wesentlicher Erfolgsfaktor. Um sich von den Mitbewerbern mit einer professionellen Suche abzuheben, wurden marktführende Suchlösungen evaluiert. Es wurde eine Lösung gesucht, die nicht nur benutzerfreundlich ist, sondern den Leserinnen und Lesern der futurezone.at auch einen Mehrwert im Vergleich zur eingesetzten Suche bietet.

Aufgabenstellung

Das Portal nutzte ursprünglich Google als Suche auf der Website. Diese lieferte zwar Treffer aber oft ohne erwarteten Mehrwert für den Leser. Die einfache Auflistung von Suchergebnissen war der futurezone.at als Leserservice zu wenig. Daher entschied das Management Mindbreeze InSite zu implementieren, um den Website-Besuchern einen Mehrwert bieten zu können und den Leserservice zu steigern.

„Als österreichisches Technologie-Portal

freut es mich, eine österreichische Suche

auf der futurezone integrieren zu können.

Es passt perfekt zu unserem Konzept,

vor allem österreichische Ideen und

Firmen vor den Vorhang zu bitten. Mit

Mindbreeze haben wir nun einen der

führenden Suchmaschinen-Entwickler als

results

Mindbreeze 3.0.pdf

Open - Download - Preview - Collect

1/29/08 9:23 PM - **Directory:** Handbuch - Folder - **Size:** 1.29 MB - **Extension:** pdf

www.**mindbreeze**.com KNOWLEDGE IN...meet this challenge **Mindbreeze** Enterprise Search enables...software solution. The **Mindbreeze** Enterprise Search Platform

MINDBREEZE.doc

Open - Download - Preview - Collect

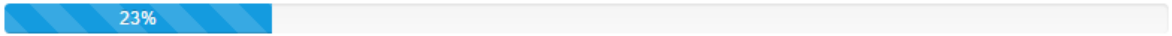
2/26/08 4:56 PM - **Directory:** Marketing - **Size:** 46 kB - **Extension:** doc - **Title:** MINDBREEZE – KNOWLEDGE IN A MATTER... - **Author:** Sabrina - **Version:** 3 - **Pages:** 5 - **Words:** 1594 - **Characters:** 10047

MINDBREEZE – KNOWLEDGE IN...zu meistern, unterstützt **Mindbreeze** Enterprise Search Firmen...zu organisieren. Die **Mindbreeze** Enterprise Search Plattform

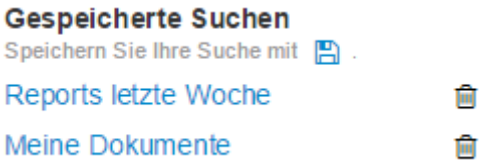
Mustache example: result

```
<script type="text/x-mustache-template">
  <h3>{{{icon}}} {{{title}}}</h3>
  <p>
    {{{content}}}
  </p>
</script>
```

resultsprogress



savedsearches



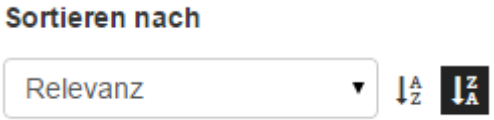
searchform

searchinfo

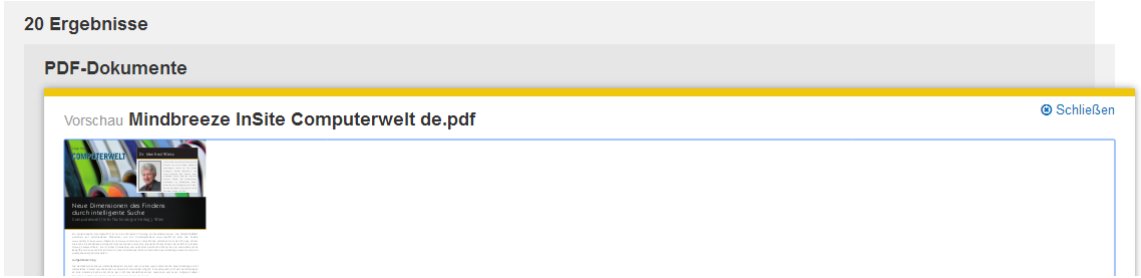
No results found

Did you mean: pdf

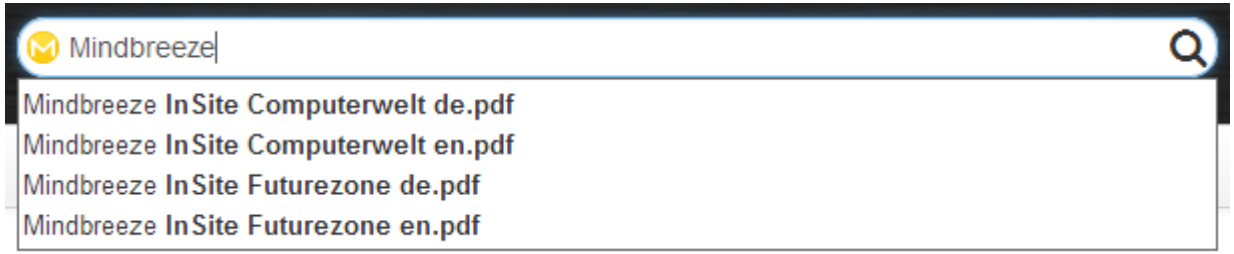
sortswitch



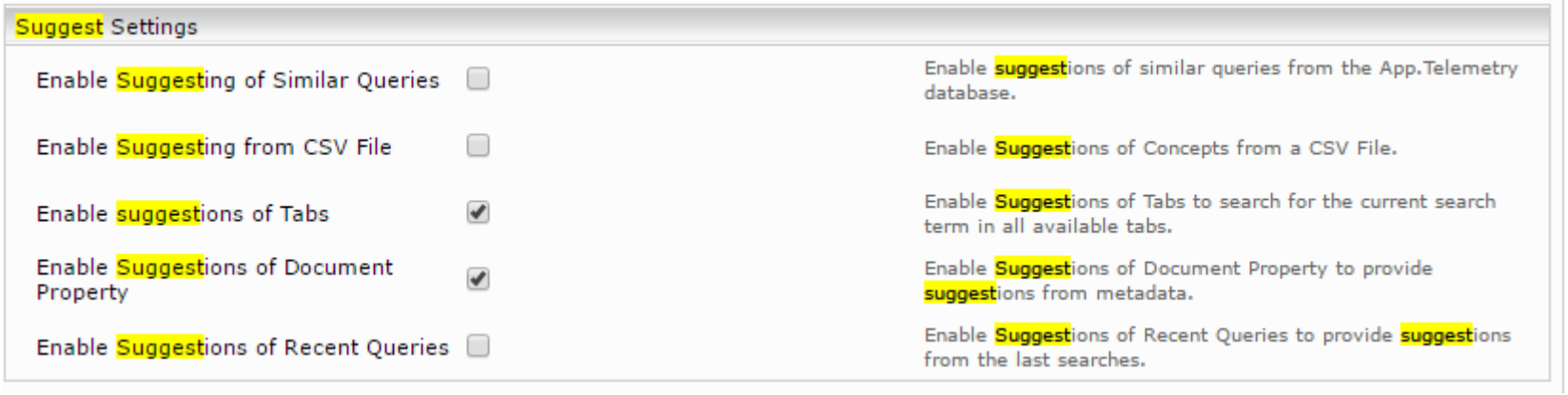
stack


20 Ergebnisse
PDF-Dokumente
Vorschau Mindbreeze InSite Computerwelt de.pdf
Schließen

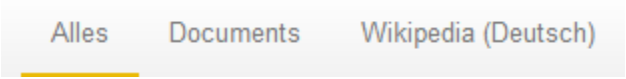
suggest


Mindbreeze
Mindbreeze InSite Computerwelt de.pdf
Mindbreeze InSite Computerwelt en.pdf
Mindbreeze InSite Futurezone de.pdf
Mindbreeze InSite Futurezone en.pdf

customized suggests



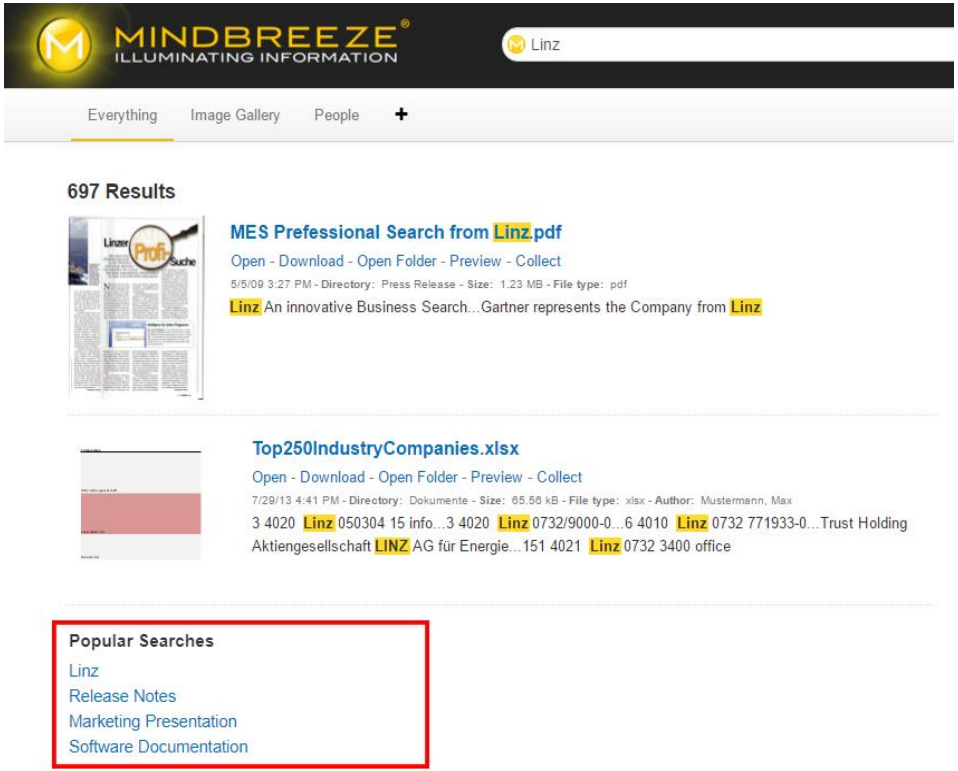
tabs



timeline

Mindbreeze InSpire Treibacher de.pdf
Fabasoft Mindbreeze Enterprise JBA de.pdf
Fabasoft Mindbreeze Enterprise JBA en.pdf
Mindbreeze InSite Futurezone de.pdf
Mindbreeze InSite Futurezone en.pdf
Mindbreeze InSpire Ferngas OOE de.pdf
Mindbreeze InSpire Ferngas OOE en.pdf
Mindbreeze InSite Computerwelt en.pdf
Okt
Nov
Dez
2013

suggestlist



view

```
<div data-template="view" data-count="5">...</div>

<div data-template="view" data-count="5" data-
constraint="extension:pdf">...</div>
```

Category

- **Category** – for every data source type
  (EMC Documentum, Microsoft Exchange, …)
- **CategoryInstance** – for every data source
  (\\MYSERVER\SHARE, …)
- **CategoryClass** – categories of documents
  (Email, Contact, Appointment, …)

Documentation and Support

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