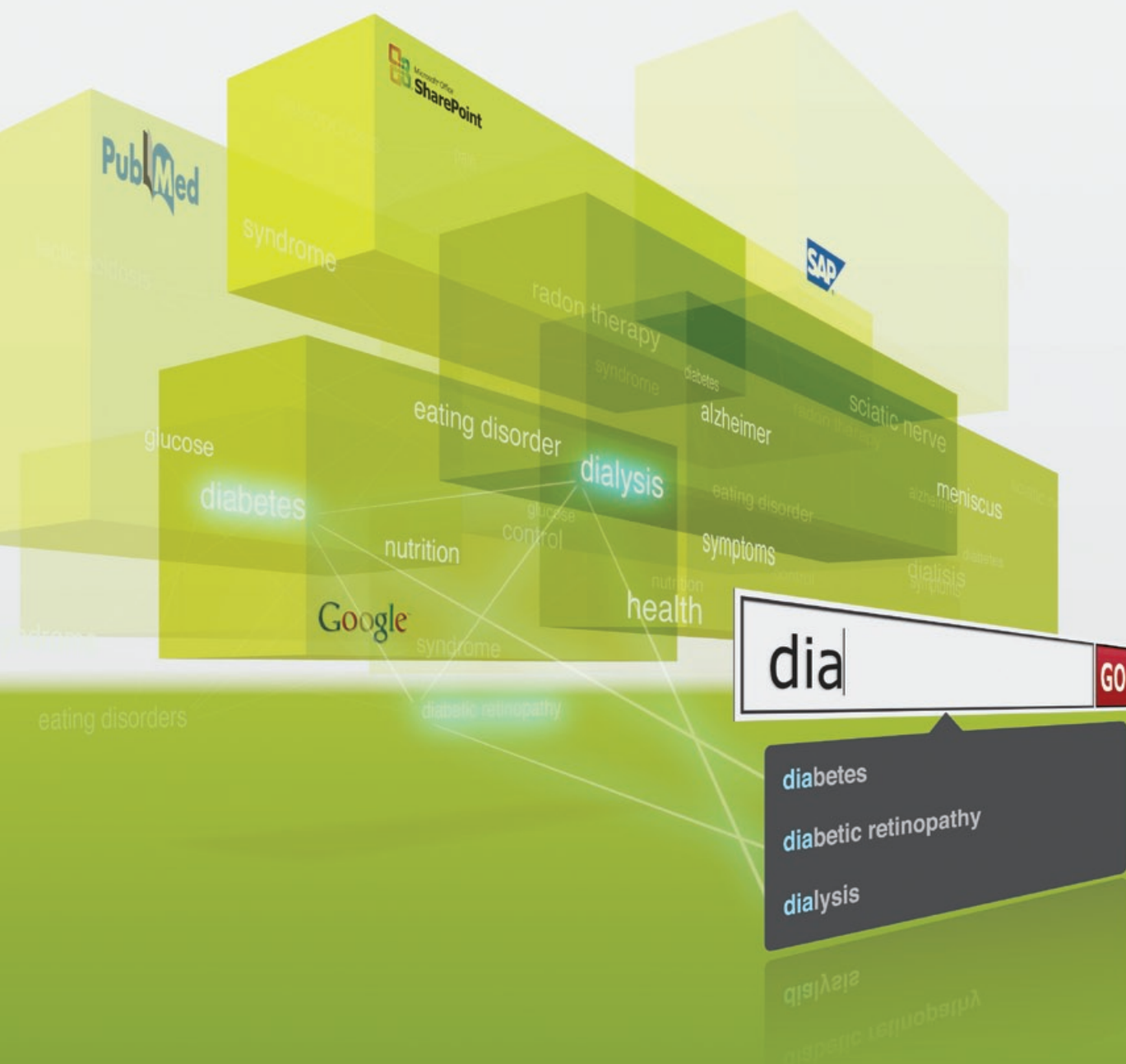


finebrain™

# Enterprise ClusterSearch



## Decisive information, dynamically filtered

*„The ClusterSearch technology provides our doctors with the latest scientific information in their area of specialization, at the click of a button.“*

Dr. Friedrich Buck,  
Executive Director, International  
Team for Implantology

The unique search solution that brings together all of your company's scattered data sources, enriches them with external sources and displays the relevant results organized to meet the users' needs and their thematic context – all at one click.

### ■ Federated search – Access to as many data sources as desired

- » Enterprise ClusterSearch lets you search all desired databases simultaneously with a single query.
- » A broad variety of sources can be searched, such as
  - » internal and external internet search engines
  - » free and subscription-based web services
  - » Databases (Oracle, MySQL, etc.)
  - » Directory services (LDAP, etc.)
  - » SAP applications
- » The results are dynamically collated into one shared results list. Duplications are removed and individually weighted.

### ■ On-the-fly topic clustering

- » The clustering engine organizes search results into thematically suitable categories. These clusters are dynamically created on the fly in real time at the moment the search query is submitted.
- » No taxonomies or classification system required.
- » Overviews and filters for the automated topic cluster come through dynamic visualization and navigation options.

### ■ Flexible, high-performance crawling and indexing in all standard formats

- » The indexer for Enterprise ClusterSearch indexes millions of documents in all standard formats (Microsoft Office files, ASCII Text, PDF, XML, RTF, HTML, zip files, etc.).
- » Indexing is scalable and high performance (over 20MB/minute on a Pentium M 1.5GHz system).

### ■ Robust, scalable architecture

- » Enterprise ClusterSearch is optimized to achieve maximum speed with minimal resource drain, and scales up almost linearly thanks to its ingenious design.
- » On a standard dual core server, ClusterSearch processes more than 3,000 queries per minute.
- » The clustering engine clusters 200 hits in approx. 50ms or 400 hits in approx. 100ms.

### ■ Platform independent, flexible, and multilingual

- » Enterprise ClusterSearch works on a Java EE framework, making it platform independent and supported for all standard operating systems (including Windows, Solaris, Mac OS, Unix, Linux).
- » It is easy to configure to the customer's requirements and can be expanded as needed (additional sources and functionalities).
- » Unicode compatibility ensures that it can be deployed in almost any language.
- » The clustering engine currently supports English, German, Spanish, Chinese, Italian, French, Polish, Dutch, Norwegian, Portuguese, Russian and Arabic.

### ■ Security, access rights

- » Controlled indexing and controlled read rights allows for user-specific access to sources and documents.
- » This ensures that each user has access to search and read only those sources and data for which he or she has been authorized.

### ■ Simple integration

- » Thanks to its open architecture (Java EE), Enterprise ClusterSearch system is easy to integrate into business applications and websites.
- » It can be linked into third-party products, as a SOA component or Java library, for example.
- » Enterprise ClusterSearch can be addressed by all standard programming languages through the web service API.
- » Where required the solution can also be delivered as a turnkey appliance, or as Software-as-a-Service (SaaS) that we operate for you.

### ■ Flexible, adaptable interface

- » The user interface can be flexibly adapted in terms of functionality and design to meet the customer's needs and reflect his CI/CD.
- » XHTML Mobile Profile compliant for access using mobile devices (iPhone, etc) and browsers.

### ■ „Suggest“ function (auto-complete)

- » The auto-complete function proposes potential keywords or phrases to complete a search query most effectively – while the user is still typing in a search phrase. This suggest function can be expanded to include automatic proposals of synonyms, etc.

### ■ Faceted filtering

- » Enterprise ClusterSearch offers the option for „faceted search“ allowing the user to navigate through multi-dimensional criteria that describe the document collection being searched. Faceted navigation reduces the hit count with just a few clicks („drill down“) to the relevant results set.

### ■ Management and monitoring

- » All data sources can be monitored and statistically evaluated by Enterprise ClusterSearch during ongoing operation. They can also be analyzed and optimized at run time.

### ■ Software updates and support

- » Software updates are provided twice per year.
- » Support is provided primarily via email and telephone as per the negotiated SLA.
- » Annual support and maintenance fees amount to 20% of the license sum.

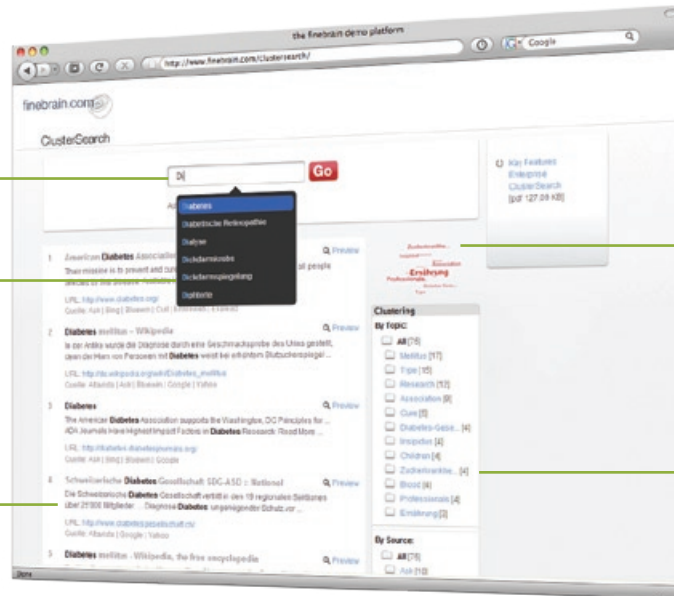
### ■ Licensing

- » Per-deployment licensing is available for an annual fee based on the number of searched sources and CPUs.

# Enterprise ClusterSearch

## Interface example

([www.finebrain.com/clustersearch/demo](http://www.finebrain.com/clustersearch/demo))



Federated Search - Access to as many data sources as desired

„Suggest“ function (auto-complete)

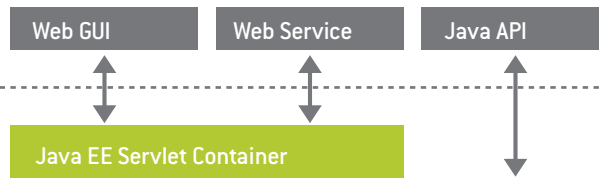
The results are dynamically collated into one shared results list.

Dynamic 3D visualization

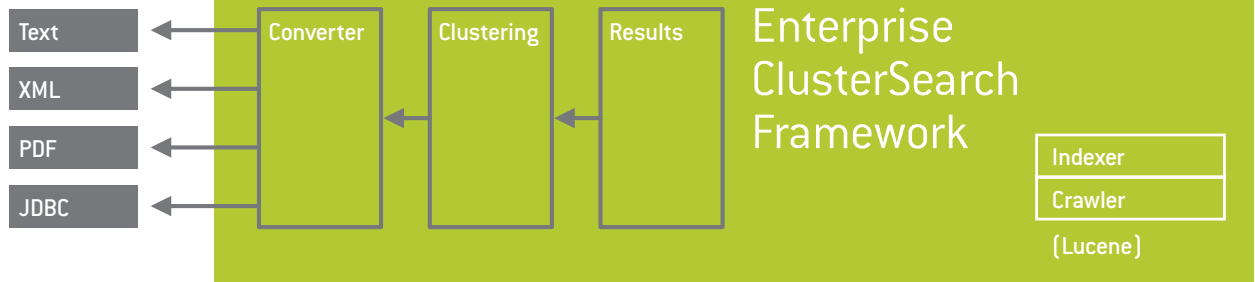
The clustering engine organizes search results into thematically arranged categories.

## Framework Interfaces

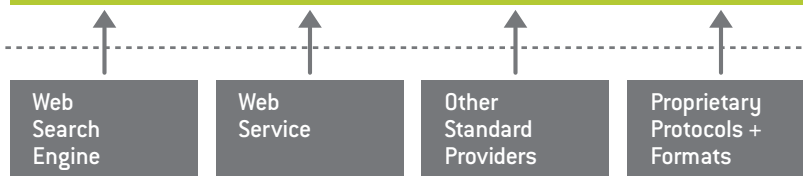
Framework Integration



Result Output Formats



Data Source Input Connectors





**About finebrain:**

Switzerland-based finebrain AG specializes in intelligent knowledge networking and intuitive information access based on its patented software technology. The owner-managed company was founded in 2000. finebrain's customers include internationally operating, innovation-driven companies such as Deutsche Telekom, BMW, Roche, B. Braun, Pfizer and PricewaterhouseCoopers.

finebrain AG's many years of experience guarantee optimal integration and successful adoption of the ClusterSearch in your company.

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