

Search Relevance



[pbolger](#) 4 posts since

Oct 18, 2007

Clearspace allows for sorting of search results using 4 sort criteria, including "relevance".

Relevance ranking for search results can cover a variety of metrics, including number of matched words, frequency of occurrence of matched words, word position (e.g in event title versus event description), tag matching and others.

Is there documentation available describing the logic used by CS when applying relevance to the search results?

Thanks,

Patrick



[ajohnson1200](#) 1,229 posts since

Jan 7, 2004 1. **Re: Search Relevance** Dec 11, 2007 12:49 PM

hi Patrick,

We use an open source project called [Lucene](#) for searching, they have a great document that talks about how hits are scored here:

<http://lucene.apache.org/java/docs/scoring.html>

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We obviously do some of the work of getting items into the search index and determining what's indexed and how it's indexed, going into the details here would be a really long post. You can get a good idea of how items are indexed by checking out the source code for `com.jivesoftware.community.impl.search.LocalSearchManager`. Start with the `toSearchDocument(DocumentBean bean)` method, take a look at the

```
private Field field(int objectType, IndexField name, Object value)
implementation and the class com.jivesoftware.community.search.BoostParser class.
```

I'll also ask about getting some of this documented.

Cheers,

AJ



[ggcraven](#) 10 posts since

Jan 14, 2009 2. Re: **Search Relevance** Aug 31, 2009 12:53 PM

It appears that the Lucerne documentation has moved. Do you know where the current document can be found?



[greg](#) 2,660 posts since

Jul 20, 2004 3. Re: **Search Relevance** Sep 9, 2009 4:01 PM

Gary, the documentation looks like it moved to: http://lucene.apache.org/java/2_3_2/scoring.html

Nova, here is a link to the [search tips in the documentation](#) which might help, and in general the best way to influence search results as an end-user is to choose a descriptive subject and add descriptive tags to the content. These two elements help with search relevance since the subject and tags of content are weighted more heavily than the body for relevance.

I hope that helps, and if you'd like more information, please ask.

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[nnewcomer](#) 547 posts since

May 11, 2009 4. **Re: Search Relevance** Sep 2, 2009 5:07 PM

Also, I think that Jive needs to consider creating a non-technical explanation of how search results come back -- something that is easily explained to users. My users are constantly struggling with understanding why they can't find certain documents and reading a technical documentation of Lucene isn't really what I would be looking for.



[Jackie2.0](#) 80 posts since

Sep 22, 2009 5. **Re: Search Relevance** Nov 6, 2009 8:41 AM

has there been any updates on this subject that anyone can share? How have you enhanced your search or educated end users on searching more effectively?



[arun.988@gmail.com](#) 34 posts since

Feb 21, 2008 6. **Re: Search Relevance** Feb 23, 2010 7:00 AM

Can i achive the same functionality by using the SQL query ?