



## Comparison between Bimaple Keyword Search and Lucene/Solr

Chen Li, Founder, Bimaple Technology Inc.

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Bimaple's keyword search technology provides one up over other search solutions in the market both in terms of the search performance and as a service. The table below compares Bimaple's keyword search with Lucene/Solr, one of the most widely used open-source packages for keyword search.

Feature	Lucene/Solr	Bimaple
Instant search	Slow*	Extremely fast
Fuzzy search	Slow*	Extremely fast
Instant and fuzzy search	Slow*	Extremely fast
Ranking customization of instant search	Not flexible	Flexible

Table1. Feature comparison of Bimaple's solution and Lucene/Solr for keyword search (\* see experimental results below)

## Experimental Results

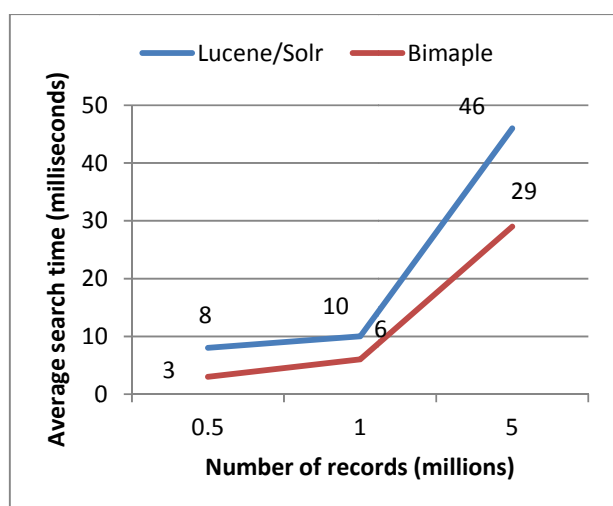


Figure 1. Single-keyword, instant search

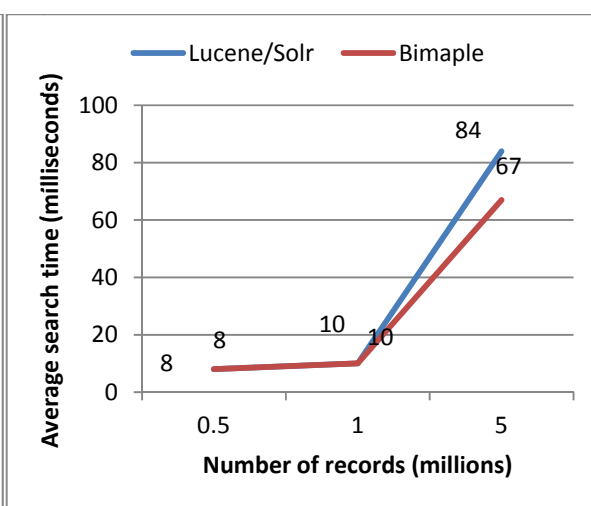


Figure 2. Multi-keyword, instant search

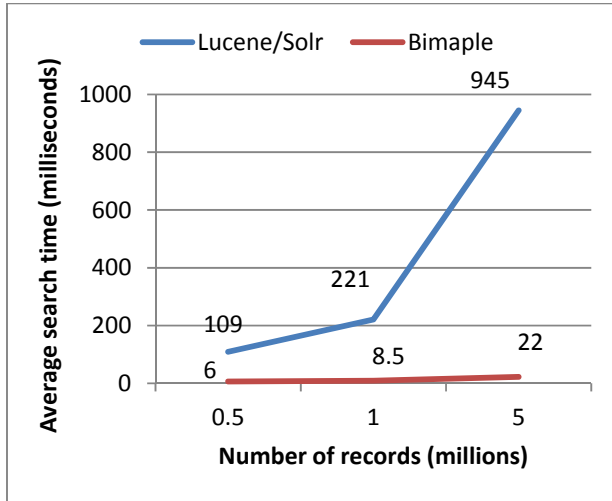


Figure 3. Single-keyword, instant, fuzzy search

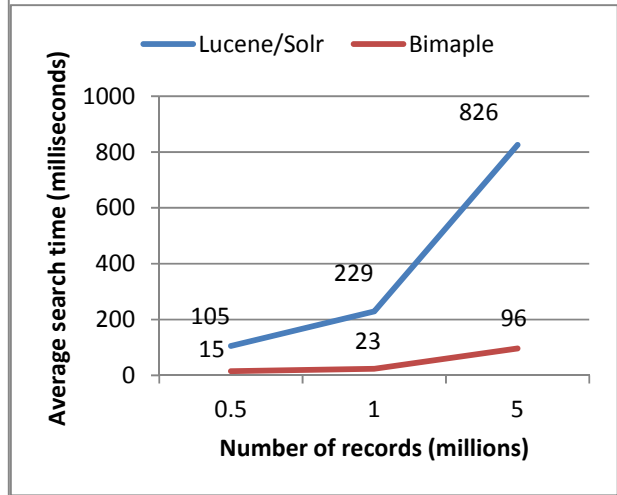


Figure 4. Multiple-keyword, instant, fuzzy search

## Summary

Influenced by the consumer search experience on the Internet, information seekers have clear and demanding expectations about how a search solution should look, perform, and feel. As business personnel, you are aware of the importance of effectiveness of delivering such search for your business. You also know the challenges to accomplish this goal, distracting you from your primary business goals. Bimable’s search solution meets these new requirements by enabling powerful features such instant search and fuzzy search on your data.

The Bimable technology can be further demonstrated by a system that supports people search (<http://psearch.ics.uci.edu>) and a system that does publication search (<http://ipubmed.ics.uci.edu>).