Apache Solr

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What's Apache Solr?

Apache Solr is an open source search platform built upon a Java library called Lucene.

Solr is a popular search platform for Web sites because it can index and search multiple sites and return recommendations for related content based on the search queries' taxonomy.

The Full name:

What's Lucene?

Apache Lucene is a high-performance, full-featured text search engine library written entirely in Java. It is a technology suitable for nearly any application that requires full-text search, especially cross-platform.

Full-Featured Text Search Engine

In text retrieval, full-text search refers to techniques for searching a single computer-stored document or a collection in a full text database.

Full-text search is distinguished from searches based on metadata or on parts of the original texts represented in databases (such as titles, abstracts, selected sections, or bibliographical references).

Indexing

When the number of documents to search is potentially large, the problem of full-text search is often divided into two tasks:
    * indexing
    * searching.

The indexing stage will scan the text of all the documents and build a list of search terms (often called an index).

In the search stage, when performing a specific query, only the index is referenced, rather than the text of the original documents.

Thank You!

Q&A!