

# Apache Lucene - Features

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## 1 Features

Lucene offers powerful features through a simple API:

## 2 Scalable, High-Performance Indexing

- over 95GB/hour on modern hardware
- small RAM requirements -- only 1MB heap
- incremental indexing as fast as batch indexing
- index size roughly 20-30% the size of text indexed

## 3 Powerful, Accurate and Efficient Search Algorithms

- ranked searching -- best results returned first
- many powerful query types: phrase queries, wildcard queries, proximity queries, range queries and more
- fielded searching (e.g., title, author, contents)
- date-range searching
- sorting by any field
- multiple-index searching with merged results
- allows simultaneous update and searching

## 4 Cross-Platform Solution

- Available as Open Source software under the Apache License which lets you use Lucene in both commercial and Open Source programs
- 100%-pure Java
- Implementations in other programming languages available that are index-compatible