

# ReleaseNote33

MMM???? 2011, Apache Lucene™ 3.3 available

The Lucene PMC is pleased to announce the release of Apache Lucene 3.3.

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.

This release contains numerous bug fixes, optimizations, and improvements, some of which are highlighted below. The release is available for immediate download at:

<http://www.apache.org/dyn/closer.cgi/lucene/java> (see note below).

See the CHANGES.txt file included with the release for a full list of details.

Lucene 3.3 Release Highlights:

- \* The spellchecker module now includes suggest/auto-complete functionality, with three implementations: Jaspell, Ternary Trie, and Finite State.
- \* Support for merging results from multiple shards, for both "normal" search results (TopDocs.merge) as well as grouped results using the grouping module (SearchGroup.merge, TopGroups.merge).
- \* An optimized implementation of KStem, a less aggressive stemmer for English.
- \* Single-pass grouping implementation based on block document indexing.
- \* Improvements to MMapDirectory (now also the default implementation returned by FSDirectory.open on 64-bit Linux).
- \* NRTManager simplifies handling near-real-time search with multiple search threads, allowing the application to control which indexing changes must be visible to which search requests.
- \* TwoPhaseCommitTool facilitates performing a multi-resource two-phased commit, including IndexWriter.
- \* The default merge policy, TieredMergePolicy, has a new method (set/getReclaimDeletesWeight) to control how aggressively it targets segments with deletions, and is now more aggressive than before by default.
- \* PKIndexSplitter tool splits an index by a mid-point term.

Note: The Apache Software Foundation uses an extensive mirroring network for distributing releases. It is possible that the mirror you are using may not have replicated the release yet. If that is the case, please try another mirror. This also goes for Maven access.