

ReleaseNote32

June 2011, Apache Lucene™ 3.2 available

The Lucene PMC is pleased to announce the release of Apache Lucene 3.2.

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 3.2 Release Highlights

- * A new grouping module, under `lucene/contrib/grouping`, enables search results to be grouped by a single-valued indexed field.
- * A new `IndexUpgrader` tool fully converts an old index to the current format.
- * A new Directory implementation, `NRTCachingDirectory`, caches small segments in RAM, to reduce the I/O load for applications with fast NRT reopen rates.
- * A new Collector implementation, `CachingCollector`, is able to gather search hits (document IDs and optionally also scores) and then replay them. This is useful for Collectors that require two or more passes to produce results.
- * Index a document block using `IndexWriter`'s new `addDocuments` or `updateDocuments` methods. These experimental APIs ensure that the block of documents will forever remain contiguous in the index, enabling interesting future features like grouping and joins.
- * A new default merge policy, `TieredMergePolicy`, which is more efficient due to being able to merge non-contiguous segments. See <http://s.apache.org/merging> for details.
- * `NumericField` is now returned correctly when you load a stored document (previously you received a normal `Field` back, with the numeric value converted string).
- * Deleted terms are now applied during flushing to the newly flushed segment, which is more efficient than having to later initialize a reader for that segment.

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.